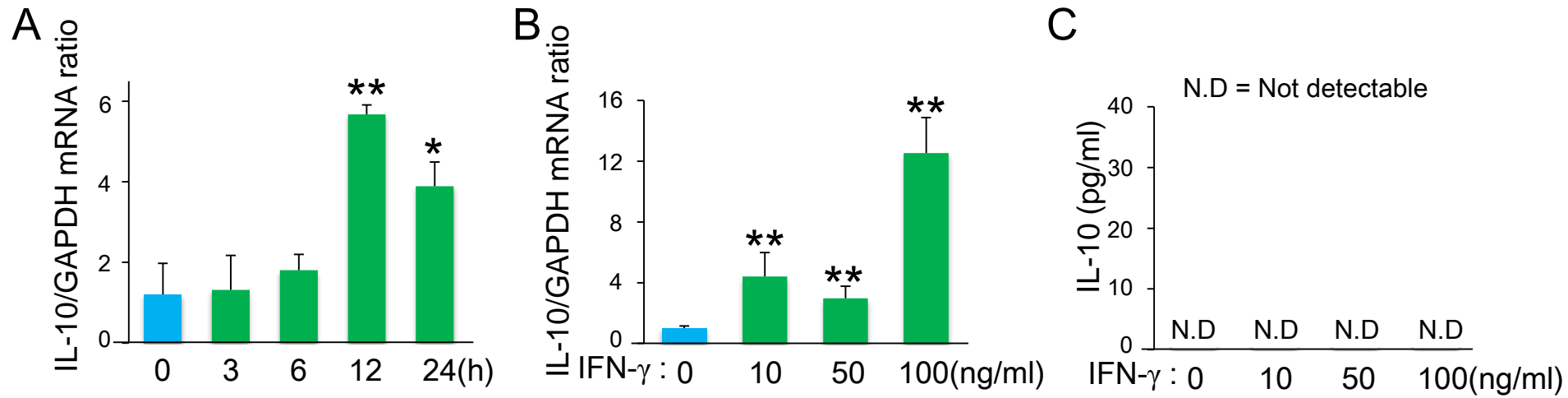


Supplemental Fig. 1 Cell viability in C-MSC and C-MSC γ

TUNEL staining for apoptotic cells was performed using the DeadEnd™ Fluorometric TUNEL System (Promega). (A) Confocal immunofluorescence images of TUNEL (green) and nuclei (blue) in C-MSC or C-MSC γ . Upper panel shows lower magnification (bar=200 μ m) and the lower panels indicates higher magnification (bar=50 μ m) (B) The graphs show the percentage of TUNEL-positive apoptotic cells. Values represent means \pm S.D. of three cultured C-MSCs. Similar results were obtained from three independent experiments. C-MSC: Cultured in growth medium for 3 days. C-MSC γ (50): C-MSC stimulated with 50 ng/mL of IFN- γ for 24 h.



Supplemental Fig. 2 IFN- γ increased IL-10 mRNA expression, but not its protein production in C-MSC

(A) Time course study. C-MSCs were exposed to IFN- γ (10 ng/ml) for the indicated time. (B and C) Dose course study. C-MSCs were treated with or without various doses of IFN- γ (10, 50, 100 ng/ml) for 24 hr. (A and B) IL-10 mRNA expression level was evaluated by real-time PCR as described in the Materials and Methods section. Sequence of primers for IL-10 were 5'-TCAAACCTCACTCATGGCTTTGT-3' (forward) and 5'-GCTGTCATCGATTTCTTCCC-3' (reverse). The plot shows the ratio of *IL-10* mRNA to *GAPDH* mRNA. Values represent means \pm S.D. of four cultures. (C) The IL-10 protein production in culture supernatant was measured by IL-10 ELISA kit (Peprotech) following the manufacturer's instruction. Data are the means \pm S.D. of four cultures.